

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
		Application Number	10/630,138
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	July 29, 2003
		First Named Inventor	Charles Gollnick
		Group Art Unit	<del>2684</del> 2618
		Examiner Name	P. Sobutka
		Attorney Docket Number	14206US02
Sheet	1	of	1

(use as many sheets as necessary)

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PS	C416	"A 1.6-3.2 GHz, High Phase Accuracy Quadrature Phase Locked Loop", Masters Thesis, Department Of Electrical Engineering And Computer Science, Mass. Inst. Of Technology, 06/2003
PS	C420	Digital And Ericsson Agree On Data Network Project", Wall Street Journal, 10/08/1991, p. B4
PS	C426	"Messenger User Guide", Cognito Limited, 04/1991
PS	C439	"Standards: Ericsson", Communications International 1991, 09/1991, p. 46
PS	C519	Posthearing Brief Of The Commission Investigative Staff, United States International Trade Commission, 04/03/2006
PS	C522	JOIFAEI et al., "Concept Of On-Board-Processing Satellites", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 391-394
PS	C523	SESHADRI et al., "Coded Modulation With Time Diversity, Unequal Error Protection, And Low Delay For The Rayleigh Fading Channel", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 283-287
PS	C524	SLIMANE et al., "Coded Quadrature Pulse-Overlapping Modulation Techniques For Personal Communications", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 293-297
PS	C525	WANG, "Coded BER Performance In A Correlative Fading Channel", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 126-130
PS	C526	"Ericsson Wins Mobile Data Pact", Communications Week International, 06/26/1989, No. 21, p. 13
PS	C527	ROHL, A Short Look on Power Saving Mechanisms In the Wireless LAN Standard Draft IEEE Standard 802.11, 06/26/1997, Bates No. QBB218363-368

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PS	C439	"Standards: Ericsson", Communications International 1991, 09/1991, p. 46
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PS	C526	"Ericsson Wins Mobile Data Pact", Communications Week International, 06/26/1989, No. 21, p. 13
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
PS	B1	GB 2,250,892	06-17-1992	Owen		
PS	B2	JP 62-37008	08-23-1994	Yamada		
PS	B3	JP 61-174743	08-06-1986	Sakai		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
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	<del>C418</del>	<del>"CDMA Digital CAI Standard, Cellular System Dual Mode Mobile Station Base Station Compatibility Standard, Rev. 1.11", 02/05/1992, Bates Nos. QBB148827-9062</del>
PS	C425	"Man-Machine Interface Of The Mobile Station", GSM 02.30 v. 3.9.0, 02/1992, QBB155113-155137
PS	C443	"Waiting Time For Wireless", Computerworld, 10/15/1990, pp. 73-75
PS	C442	"Update On Ardis-Mobitex Radio Modem Competition", Newsbyte News Network, 10/02/1991
PS	C491	MS-BSS Interface - General Aspects And Principles, GSM 04.01 v 3.0.01, 02/1992, QBB155196-155206
PS	C493	Network Functions, GSM 03.01 v 3.0.0, 02/1992, QBB155138-155152
PS	C502	Robert Meier Deposition Transcript, 11/18/2005
PS	C512	Steven Koenck Deposition Transcript, 11/15/2005
PS	C514	Technical Manual Callmaster IMTS Series: MT-200 & MT-300, 1982
PS	C518	"Ericsson - Company Report: Svenska International PLC", Ericsson Company Report, Svenska International PLC, Investext Report No. 1152645, 11/15/1991, p. 2
PS	C574	CALHOUN, Wireless Access and the Local Telephone Network, 1992

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		Number-Kind Code <sup>2</sup> (if known)			
PS	A1	4,449,248	05-15-1984	Leslie et al.	
PS	A2	5,027,428	08-25-1991	Ishiguro et al.	
PS	A3	5,058,023	10-15-1991	Kozikaro	
PS	A4	5,058,203	10-15-1991	Inagami, Fujio	
PS	A5	5,142,534	08-25-1992	Simpson et al.	
PS	A6	5,224,152	06-29-1993	Harte	
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PS	A8	5,375,254	12-14-1990	Owen	
PS	A9	5,420,911	05-30-1995	Dahlin et al.	
PS	A10	5,590,346	12-31-1996	West et al.	
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PS	A12	5,329,531	07-12-1994	Diepstraten et al.	
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PS	A18	5,825,253	10-20-1998	Mathe et al.	
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PS	A20	6,348,841	02-19-2002	See	
PS	A21	6,522,871	02-18-2003	Patrick et al.	
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PS	A23	6,593,826	07-15-2003	See	
PS	A24	6,694,129	02-17-2004	Peterzell et al.	
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PS	A31	6,928,275	08-09-2005	Patrick et al.	
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PS	A33	4,734,694	03-29-1998	Umetsu et al.	

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PS	A34	4,903,319	02-20-1990	Kasal et al.	
PS	A35	4,964,121	10-16-1990	Moore	
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**FOREIGN PATENT DOCUMENTS**

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PS	C1	Respondent Qualcomm Incorporated's Notice Of Prior Art, with Exhibits A & D attached thereto
PS	C2	Qualcomm's Response To Interrogatory 3, with Exhibits B & C attached thereto
PS	C3	INTENTIONALLY LEFT BLANK
PS	C4	INTENTIONALLY LEFT BLANK
PS	C5	"A New Chapter In Wireless Communication And Email", Electronic Messaging News, 11/27/1991, Vol. 3, No. 24
	<del>C6</del>	<del>"A New Radio Access Protocol And Network Architecture For Mobile Packet Data", Cognito Group Limited, Bates Nos. QBB569268-323</del>
PS	C7	"AMDC Extends RFP Deadline To March 10; Walver Decision Expected At FCC's March Meeting", Industrial Communications, 02/17/1989, No. 7
	<del>C8</del>	<del>"AMDC Picks Ericsson Gear", Communications Week, 06/12/1989, Vol. 252, p. 44</del>
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PS	C10	"Ardis Links With NCR Notepad 12/11/91", Newsbytes, 12/11/1991

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PS	C12	"Automation In Warehousing", Proceedings Of The 8 <sup>th</sup> International Conference, Tokyo, Japan, 10/06-08/1987, pp. 1-355
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PS	C14	"Bean Bullish On Growth Of Mobile Data In New Future", Industrial Communications, 02/15/1991, No. 7, p. 8
PS	C15	"Bellsouth Buys Into Ram's Nationwide Mobile Data Network", Industrial Communications, 10/18/1991, No. 42
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PS	C19	"Briefing Document For The Design Of The Diplema Messenger MMI, 03/1989
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	<del>C21</del>	<del>"BT Opens New Service Center", Communications Week, 11/11/1991, p. 25</del>
	<del>C22</del>	<del>"Business Plan Appendix IV - Financial Projections"</del>
	<del>C23</del>	<del>"C Business Plan" Cognito Group Limited, 11/01/1990</del>
	<del>C24</del>	<del>"C Business Plan", Cognito Group Limited, 04/1990</del>
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PS	C27	"CDMA Digital CAI Standard, Cellular System Dual-Mode Mobile Station-Base Station Compatability Standard, Draft Rev. 0", 07/31/1990, Bates Nos. QBB138614-832
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PS	C29	"CDMA Digital CAI Standard, Cellular System Dual-Mode Mobile Station-Base Station Compatability Standard, Draft Rev. 1.1", 07/15/1991, Bates Nos. QBB139250-858
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary))		Application Number	10/630,138
		Filing Date	July 29, 2003
		First Named Inventor	Charles Gollnick
		Group Art Unit	<del>2604</del> 2618
		Examiner Name	P. Sobutka
Attorney Docket Number	14206US02		
Sheet	4	Of	29

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PS	C33	"Change Request 05.02-14", Recommendation GSM 05.02, v. 3.3.0, 11/28/1989
PS	C34	"Coded First To Jump On Mobitex Equipment Bandwagon; Sees Data Licenses As Worth As Much As Cellular", Industrial Communications, 06/09/1989, No. 22
PS	C35	"Communications Personals", Communications Daily, 02/11/1991, Vol. 11, No. 28
PS	C36	"Complexity, High Price Keep Some Customers Away: Mobile Datacoms Taxes Users", Communications Week International, 04/01/1991, p. 20
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PS	C41	"DEC Targets Mobile Data Market", Communications Week International, 03/18/1991, p. 9
	<del>C42</del>	<del>"DEC-Ericsson Agreement", Communications Week, 11/11/1991, p. 25</del>
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	<del>C44</del>	<del>"Digital And Ericsson To Co-Operate On Mobile Data", Exchange, 11/01/1991, Vol. 8, No. 42</del>
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PS	C50	"Ericsson - Company Report: Svenska International PLC", Ericsson Company Report, Svenska International PLC, Investext Report No. 1142535, 10/04/1991, p. 2
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PS	C54	"Ericsson And GE And Speedwing Mobile Communications Team Up To Bring Mobile Data Communications To Airports Worldwide", Business Wire, San Francisco, 09/17/1991, p. 1
PS	C55	"Ericsson And GE Have Formed Joint Venture", Communications Daily, 08/28/1989
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	C64	INTENTIONALLY LEFT BLANK
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PS	C73	"Ericsson Has Data Unit" Communications Week, 01/08/1990, p. 8
PS	C74	"Ericsson Mobile Data Formed In New Jersey", Communications Daily, 01/05/1990
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PS	C76	"Ericsson To Introduce Radio Modem Next Month", Telecommunications Alert, 12/17/1991, Vol. 8, No. 56
PS	C77	INTENTIONALLY LEFT BLANK
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	<del>C81</del>	<del>"European Digital Cellular Telecommunications System (Phase 1), Network Functions", GSM 03.01 v 3.1.1, 02/1992</del>
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	<del>C91</del>	<del>"Minigrams", Computergam International, no. 1665, GGH11150020, 11/15/1991</del>

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 7 Of 29

**Complete if Known**

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First Named Inventor	Charles Gollnick
Group Art Unit	<del>2684</del> 2618
Examiner Name	P. Sobutka
Attorney Docket Number	14206US02

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PS	C92	"Mobidata And Cintel Set To Complete In Digital Mobile Data Market", Common Carrier Week, 05/22/1989, Vol. 6, No. 21
PS	C93	"Mobile Data Communications -- A New Market", News Release, 07/03/1987, p.1
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PS	C98	"Mobile Station Features", Recommendation GSM 02.07, v. 3.3.0, 03/1990
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	<del>C102</del>	<del>"Motorola Inc. -- Company Report: Kidder, Peabody &amp; Company, Inc.", 06/15/1990, Investext Report No. 1011254, p. 2</del>
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PS	C111	"Nordic Monthly -- Geographic Report: Svenska International PLC", 10/01/1991, Investext Report No. 1142734, p. 6
PS	C112	"Northern Indiana Public Service Company Selects \$10 Million Ericsson GE Communications System", News Release, 11/11/1991, p.1

11/1990

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		First Named Inventor	Charles Gollnick
		Group Art Unit	<del>2004</del> 2618
		Examiner Name	P. Sobutka
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PS	C114	"Outline Of Idle Mode Tasks, GSM Recommendation" 03.22, v. 1.0.1, 05/23/1991
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PS	C134	"Smith Barney's Morning Call - Topical Report Smith Barney, Harris Upham & Co.", Investext Report, No. 1145237, 10/11/1991, p. 3
	<del>C135</del>	<del>WEPMAN et al., "Spectrum Usage Measurements In Potential PCS Frequency Bands", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 10-15</del>
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	<del>C144</del>	<del>BERTONI et al., "Theoretical Prediction Of Slow Fading Statistics In Urban Environments", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 1-4</del>
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PS	C149	"Update On Ardis-Mobitex Radio Modem Competition", Newsbytes, Inc., 10/02/1991
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EXAMINER	/Philip Sobutka/	DATE CONSIDERED	10/15/2006
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Substitute for form 1449A/PTO				<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary))				Application Number	10/630,138
				Filing Date	July 29, 2003
				First Named Inventor	Charles Gollnick
				Group Art Unit	<del>2684</del> 2618
				Examiner Name	P. Sobutka
Sheet	11	Of	29	Attorney Docket Number	14206US02

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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				Application Number	10/630,138
Sheet		12	Of	29	Filing Date July 29, 2003 First Named Inventor Charles Gollnick Group Art Unit <del>2684</del> 2618 Examiner Name P. Sobutka Attorney Docket Number 14206US02

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
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		Filing Date	July 29, 2003
		First Named Inventor	Charles Gollnick
		Group Art Unit	<del>2684</del> 2618
		Examiner Name	P. Sobutka
Sheet	13	Of	29
		Attorney Docket Number	14206US02

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
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PS	C203	Cellular Digital Packet Data System Specification Overview 11/9/95
PS	C204	Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book 1, 03/19/1993
PS	C205	Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book II, 03/19/1993
PS	C206	Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book III, 03/19/1993
PS	C207	Cellular Digital Packet Data System Specification Release 0.3 Preliminary Working Draft, 12/28/1992
PS	C208	Cellular Digital Packet Data System Specification Release 0.8 - Book 4IV, 03/19/1993
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PS	C215	Cellular Digital Packet Data System Specification Release 1.0 - Book I, 07/19/1993
	<del>C216</del>	<del>Cellular Digital Packet Data System Specification Release 1.1 - Book 1, 1995 CDPD Forum, Inc., 01/19/1995</del>
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PS	C218	Cellular Digital Packet Data System Specification Release 1.1 - Book 3, 1995 CDPD Forum, Inc., 01/19/1995
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	<del>C220</del>	<del>Cellular Digital Packet Data System Specification Release 1.1 - Book 5, 1995 CDPD Forum, Inc., 01/19/1995</del>

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		First Named Inventor	Charles Gollnick
		Group Art Unit	<del>2604</del> 2618
		Examiner Name	P. Sobutka
(use as many sheets as necessary))		Attorney Docket Number	14208US02
Sheet	14	Of	29

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 15 Of 29

**Complete if Known**

Application Number	10/630,138
Filing Date	July 29, 2003
First Named Inventor	Charles Gollnick
Group Art Unit	<del>2664</del> 2618
Examiner Name	P. Sobutka
Attorney Docket Number	14208US02

**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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		Filing Date	July 29, 2003
		First Named Inventor	Charles Gollnick
		Group Art Unit	<del>2004</del> 2618
		Examiner Name	P. Sobutka
Attorney Docket Number	14208US02		
Sheet	18	Of	29

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		First Named Inventor	Charles Gollnick
		Group Art Unit	2884 2618
		Examiner Name	P. Sobutka
Attorney Docket Number	14206US02		
Sheet	17	Of	29

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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		Group Art Unit	<del>2004</del> 2618
		Examiner Name	P. Sobutka
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		Filing Date	July 29, 2003
		First Named Inventor	Charles Gollnick
		Group Art Unit	<del>2684</del> 2618
		Examiner Name	P. Sobutka
Sheet	23	Of	29
		Attorney Docket Number	14206US02

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PS	C368	SESHAN et al., "The Role Of Digital Signal Processing In Personal Communications Networks", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 200-204
PS	C369	SESHAN, "Low-Latency Handoff For Cellular Data Networks", Ph.D. Thesis, University Of California At Berkeley, 1995
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PS	C376	STEINERT-THRELKELD, "Ericsson Unit To Aid New Network; Richardson Firm To Provide Equipment For Cellular Data Link", The Dallas Morning News, Record No. DAL1073150, 06/01/1989
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PS	C382	TAN et al., "Multicast: A Multicast Scheme For Wireless Networks", Mobile Networks And Applications 5, 2000, pp. 259-271
PS	C383	TANNO et al., "Multiplexing Of Communication Ports On Unix Terminals For Packet Radio Networks", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 417-420
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	<del>C385</del>	<del>THORBORG et al., "Mobimed - A Telemedicine System For Mobile Monitoring Of Physiological Parameters", Telecommunication For Health Care: Telemetry, Teleradiology, And Telemedicine 1990, Proceedings Of IEEE Western Canada Conference And Exhibition, 07/06/1990-07/07/1990, SPIE, Vol. 1355, pp. 32-35</del>
PS	C386	TODD et al., "Low Power Rendezvous In Embedded Wireless Networks", Proceedings Of The 1st ACM International Symposium On Mobile Ad Hoc Networking & Computing (Boston), Sessions D, 2000, pp. 107-118
PS	C387	TODD et al., "Space And Frequency Diversity Measurements of The 1.7 GHz Indoor Radio Channel For Wireless Personal Communications", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 87-91
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PS	C389	TROE, "Mobile-Data Packet-Networks", Electro International Conference Record, New York, 04/16/1991-04/18/1991, pp. 510-513
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PS	C392	Ubiquity 1000 Cellular Communications System For Your IBM ThinkPad™ 750, User's Guide, 1994
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	C400	INTENTIONALLY LEFT BLANK
PS	C401	WANG, "The Hierarchical Structure Of Tracing Strategy For Universal Personal Communication Systems", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 242-246
PS	C402	WANT et al., "The Active Badge Location System", ACM Transactions On Information Systems, 01/1992, Vol. 10, No. 1, pp. 91-102
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PS	C404	WILBER-HAM et al., "Universal Personal Telecommunication (UPT) Service And Architecture Overview", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 64-68
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PS	C409	WOLTERINK, "Handoff, A Necessary Feature In Wireless Office Systems", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 369-374
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	<del>C411</del>	<del>WOOLNOUGH, "Finnish Firm Has Mixed Results Building Through Acquisitions: Nokia Finds Fast Track Has Its Bumps", Electronic Engineering Times, 10/29/1990, Vol. 614, p.85-86</del>
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PS	C413	YAMAGISHI et al., "A Low-Voltage 6-GHZ-Band CMOS Monolithic LC-Tank VCO Using A Tuning-Range Switching Technique", IEEE MTT-S Digest, 2000, pp. 735-738
PS	C414	YU, "IS-41 For Mobility Management", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 158-162
	<del>C415</del>	<del>LIN et al., "A 000 MHz, 2.5mA CMOS Frequency Synthesizer With An Automated SG Tuning Loop", Elec. Eng. Dept. UCLA, pp. 375,378</del>
	C416	INTENTIONALLY LEFT BLANK

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	C419	INTENTIONALLY LEFT BLANK
	C420	INTENTIONALLY LEFT BLANK
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	C423	INTENTIONALLY LEFT BLANK
	C424	INTENTIONALLY LEFT BLANK
	C425	INTENTIONALLY LEFT BLANK
	C426	INTENTIONALLY LEFT BLANK
	C427	INTENTIONALLY LEFT BLANK
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	<del>C429</del>	<del>"Mobilnätet om två år" (Mobile Data-net In Two Years), Eteknik Med. Aktuell Elektronik, 1985, V. 5, p. 6</del>
	C430	INTENTIONALLY LEFT BLANK
	<del>C431</del>	<del>"Proposed EAI/TIA Standard, Cellular System CDMA Analog Dual Mode Mobile Station Base Station Compatibility Standard, Rev. 1.14", 04/21/1992</del>
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	C433	INTENTIONALLY LEFT BLANK
	<del>C434</del>	<del>"Random Access Procedures", GSM 04.00, v. 3.0.0</del>
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	<del>C436</del>	<del>"Release Note, Recommendation" GSM 03.20, v. 3.3.2, 04/1991</del>
	<del>C437</del>	<del>"Release Note, Recommendation", GSM 02.07, v. 3.3.0, 03/1990</del>
	<del>C438</del>	<del>"Release Note, Recommendation", GSM 02.30, v. 3.5.0, 08/1990</del>
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	<del>C441</del>	<del>"Trögt för Mobitex" (Delays For Mobitex), Eteknik Med. Aktuell Elektronik, 1987, Vol. 3, pp. 10-21</del>
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	<del>C446</del>	<del>Broadcom's Third Supplemental Objections and Responses To Qualcomm's First Set Of Interrogatories (1-53), 11/07/2005</del>
PS	C447	Cellular Digital Packet Data System Specification Release 10 – Book 1, N/A, 07/19/1993
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PS	C452	ESTI Radio Equipment And Systems (RES); Digital Equipment Cordless Telecommunications (DECT) Common Interface Part 1: Overview, ETS 300 175-1, 10/01/1992
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PS	C465	File History of USSN 08/431,077, Bates Nos. BCMITC000079534-862 4/1995
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PS	C467	File History of USSN 08/513,848 ('983 file history), Bates Nos. BCMITC000071666-72400
PS	C468	File History of USSN 09/060,287 ('311 file history), Bates Nos. BCMITC000071327-71665
	C469	INTENTIONALLY LEFT BLANK
	<del>C470</del>	<del>General on Terminal Adaptation Functions For The MGS, GGM 07.01 v 0.14.0, 04/01/1992</del>
	<del>C471</del>	<del>GSM PLMN Connection Types, GGM 09.10 v 0.3.0, 02/1992</del>
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	<del>C473</del>	<del>HAINE, "A New Radio Access Protocol And Network Architecture For Mobile Packet Data", Proc. Of Vehicular Technology Conference, 05/19-22/1991, pp. 399-407</del>
	<del>C474</del>	<del>HENDERSON, "Public Data Networks: The Mobitex System", Paper Presented At The IEEE Vehicle Navigation And Information Systems Conference (VNIS '89), 1989, pp. 365</del>
	C475	INTENTIONALLY LEFT BLANK
	<del>C476</del>	<del>Introduction To Telephones And Telephone Systems, 8rd Edition, 1990</del>
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	C479	INTENTIONALLY LEFT BLANK
	<del>C480</del>	<del>Landmobile And Marine Radio Technical Handbook, 1986</del>
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	<del>C482</del>	<del>List of Change Request Presented To GMM Plenary No 6, Rev 1, GMM 305/03, 03/20/1993</del>
	<del>C483</del>	<del>LYCKSELL, "Mobitex, ett kommunikations-radionät för text, data och tal" (A Radio Communication Network For Text, Data And Speech), 1986</del>
	<del>C484</del>	<del>Mobile Information Systems, 1980</del>
	<del>C485</del>	<del>Mobile Radio Interface Layer 3 Specification, GSM 04.08 v 4.2.0, 10/1992, Bates Nos. QBB479485-977</del>
	<del>C486</del>	<del>Mobile Radio Interface Layer 3 Specification; Core Network Protocols; Stage 3, ETSI TS 124008 v. 5.3.0, 2002</del>
	<del>C487</del>	<del>Mobile Station - Land Station Compatibility Specification, EIA/TIA 563, 08/01/1989</del>
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	<del>C490</del>	<del>MOULY, The GSM System For Mobile Communications, 1992</del>
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	C498	Radio Equipment And Systems (RES); Digital ESTI Radio Equipment And Systems (RES); Digital Equipment Telecommunications (DECT) Common Interface Part 5: Network Layer, ETS 300 175-5, 10/01/1992
	<del>C499</del>	<del>Radiodetermination Satellite Services And Standards, 1987</del>
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PS	C501	Recommended Minimum Performance Standards For 800 MHz Dual mode Mobile Stations, EIA/TIA/IS-55, 12/01/1991, Bates Nos. QBB149924-150025
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	<del>C503</del>	<del>Service Accessibility - Change Request, GSM 02.11 v 3.6.0, 04/14/1992</del>
PS	C504	Service Accessibility - Change Request, GSM 02.11 v 4.0, 02/06/1992
PS	C505	Service Accessibility - GSM 02.11 v 4.3.0, 10/1992
PS	C506	Service Accessibility - GSM 02.11 v 4.5.0, 04/1993, Bates Nos. QBB153507-515
	<del>C507</del>	<del>Service Accessibility, ETSI TO 122 011 v 0.4.0</del>
	<del>C508</del>	<del>Smart RF Wireless Data Microtransmitter AT86RF401, 1998</del>
	<del>C509</del>	<del>GSM Meeting Report, Doc 255/92, 03/30/1992</del>
	<del>C510</del>	<del>Speech Processing Functions: General Description, GSM 06.01 v 3.0.0, 02/1992</del>
	<del>C511</del>	<del>STEMM, "Vertical Handoffs In Wireless Overlay Networks", Mobile Networks And Applications 3, 1998, Abstract.</del>
	C512	INTENTIONALLY LEFT BLANK
	<del>C513</del>	<del>Sweden, Telecommunications (International Edition), 1994, Vol. 25, No. 10, pp. 145-148</del>
	C514	INTENTIONALLY LEFT BLANK
	<del>C515</del>	<del>Technical Realization Of The Short Message Service - Point to Point, GSM 03.40 v 3.5.0, 02/1992</del>
	<del>C516</del>	<del>TIA 858 Spec.</del>
	<del>C517</del>	<del>Types Of Mobile Stations, GSM 02.06 v 3.2.0, 02/1992</del>

EXAMINER	/Philip Sobutka/	DATE CONSIDERED	10/15/2006
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8/22/05

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0851-0031

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Substitute for form 1448A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/630,138
Filing Date	July 29, 2003
First Named Inventor	Charles D. Gollnick
Art Unit	2602 2618
Examiner Name	P. Sobutka
Attorney Docket Number	14206US02

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
✓	A1	US-3781815	12-25-1973	Boudreau et al.	
✓	A2	US-4164628	08-14-1979	Ward et al.	
✓	A3	US-4332027	05-25-1982	Malcom et al.	
✓	A4	US-4414661	11-08-1983	Karistrom	
✓	A5	US-4630314	12-16-1986	Smith	
✓	A6	US-4644532	02-17-1987	George et al.	
✓	A7	US-4663706	05-05-1987	Allen et al.	
✓	A8	US-4679244	07-07-1987	Kawasaki et al.	
✓	A9	US-4725992	02-16-1988	McNatt et al.	
✓	A10	US-4736461	04-05-1988	Kawasaki et al.	
✓	A11	US-4747126	05-24-1988	Hood et al.	
✓	A12	US-4748658	05-31-1988	Gopal et al.	
✓	A13	US-4837858	06-06-1989	Ablay et al.	
✓	A14	US-4864559	09-05-1989	Perlman	
✓	A15	US-4884266	11-28-1989	Pflaumer	
✓	A16	US-4885780	12-05-1989	Gopal et al.	
✓	A17	US-4916726	04-10-1990	Morley, Jr. et al.	
✓	A18	US-4926064	05-15-1990	Tapang	
✓	A19	US-4942552	07-17-1990	Merrill et al.	
✓	A20	US-4984247	01-08-1991	Kaufmann et al.	
✓	A21	US-5008882	04-16-1991	Peterson et al.	
✓	A22	US-5018133	05-21-1991	Tsakakoshi et al.	
✓	A23	US-5027427	06-25-1991	Shimizu	
✓	A24	US-5031098	07-09-1991	Miller et al.	
✓	A25	US-5056085	10-08-1991	Vu	
✓	A26	US-5099509	03-24-1992	Morganstein et al.	
✓	A27	US-5103461	04-07-1992	Tymes	
✓	A28	US-5117422	05-26-1992	Hauptschein et al.	
✓	A29	US-5128932	07-07-1992	Li	
✓	A30	US-5142531	08-25-1992	Kirby	
✓	A31	US-5142534	08-25-1992	Simpson et al.	
✓	A32	US-5150360	09-22-1992	Perlman et al.	

Examiner  
Signature

Paul J. [Signature]

Date  
Considered

4/28/06

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many subjects as necessary)

**Sheet**

## 2

3

**Complete if Known**

Application Number

**10/630,138**

**Filing Date**

**July 29, 2003**

**First Named Inventor**

**Charles D. Gollnick**

### Art Unit

~~2004~~ 2618

**Examiner Name**

P. Sobutsky

**Attorney Docket Number**

14206US02

**U.S. PATENT DOCUMENTS**

[illegible]

**Examiner  
Signature**

Date Considered

4/28/06

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Substitute for form 1449B/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Application Number	10/630,138
		Filing Date	July 29, 2003
		First Named Inventor	Charles D. Gollnick
		Art Unit	2682 2618
		Examiner Name	D. Soburka
Sheet	3	Attorney Docket Number	14206US02

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
W	B1	EP-281334	—	—		
W	B2	WO-9202084	—	—		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
W	C1	L. KLEINROCK and F.A. TOBAGI, "Packet Switching in Radio Channels; Part IV-Stability Considerations and Dynamic Control in Carrier Sense Multiple Access," IEEE Transactions on Communications, vol. COM-25, No. 10, Oct. 1977.	
W	C2	M. B. PURSLEY, "The Role of Spread Spectrum in Packet Radio Networks," Proceedings of the IEEE, vol. 75, No. 1, Jan. 1987.	
W	C3	J. O. ONUNGA and R. W. DONALDSON, "Performance Analysis of CSMA with Priority Acknowledgements (CSMA/PA) on Noisy Data Networks with Finite User Population," IEEE Transactions on Communications, vol. 39, No. 7, Jul. 1991.	
W	C4	L. KLEINROCK and J. SILVESTER, "Spatial Rouse in Multihop Packet Radio Networks," Proceedings of the IEEE, vol. 75, No. 1, Jan. 1987.	
W	C5	International Standard ISO/DIS 8802-2.2. 6/1/98	
W	C6	A. S. TANENBAUM, "Computer Networks," Prentice Hall, Second Edition. 12/1988	
W	C7	D.E. COMER, "Internetworking with TCP/IP", Prentice Hall. 12/1991	

Examiner Signature	<i>Phil J. Leh</i>	Date Considered	4/28/06
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3/12/07

FORM PTO 449	SERIAL NO.: 10/630,138	CASE NO.: 1772/14206US02
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE: 07/29/03	GROUP ART UNIT: 2746
(use several sheets if necessary)	2618	
APPLICANTS: Gollnick, et al.		

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
~	A1	4,449,248	5/89	Leslie	—	
~	A9	4,794,649	12/88	Fujiwara	—	
~	A10	4,804,954	2/89	Ma. Vark	—	
✓	A17	4,964,121	10/90	Maerz	—	
~	A19	4,977,611	12/90	Marx	—	
~	A20	4,995,099	2/91	Davis	—	
~	A22	5,025,486	6/91	Klughauf	—	
~	A23	5,029,183	7/91	Tymcs	—	
~	A24	5,031,231	7/91	Miyazaki	—	
~	A26	5,055,659	10/91	Hendrick et al	—	
~	A28	5,081,402	10/91	Koleck	—	
~	A29	5,087,099	2/92	Szolaczynk	—	
~	A31	5,119,502	6/92	Kallu et al	—	

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
✓	C2	Biba, A Hybrid Wireless MAC Protocol Supporting Asynchronous and Synchronous MSDU Delivery Services, IEEE P802.11/91-92
~	C4	Cheah, A Proposed Architecture and Access Protocol Outline for the IEEE 802.11 Radio LAN Standards, Part II, Document IEEE P802.11/91-54
~	C5	Cox, A Radio System Proposal for Widespread Low-Power Tetherless Communications, IEEE Transactions on Communications, Vol. 39, No. 2 (February 1991)
~	C6	Natarajan et al., Battery Efficient Operation of Radio MAC Protocol, Document IEEE P802.11/91-102
~	C7	Rypinski, Power-Drain Considerations for Full Time and Sleep Mode Radio Receivers, Document IEEE P802.11/91-99
~	C8	Robert Meier's Masters Thesis, Mobile Computer Network Architecture (May 1993)

EXAMINER: <i>Phil J. Liu</i>	DATE CONSIDERED: 4/28/06
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FORM PTO-1449	SERIAL NO.: 10/630,138	CASE NO.: 1772/14206US02
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE: 07/29/03	GROUP ART UNIT: <del>2746</del> 2618
(use several sheets if necessary)	APPLICANTS: Gollnick, et al.	

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
~	A32	5,121,408	6/92	Cg. et al	—	
~	A33	5,123,029	6/92	Bantz	—	
~	A34	5,128,938	6/92	Bowes	—	
~	A35	5,134,347	7/92	Kelley	—	
~	A37	5,150,361	9/92	Wicznowski	—	
~	A38	5,152,006	9/92	Klaus	—	
~	A41	5,175,870	12/92	Mahy	—	
~	A44	5,230,084	7/92	Mayer	—	
~	A46	5,241,542	8/93	Matarajan	—	
~	A47	5,241,691	8/93	Owari	—	
~	A51	5,265,270	11/93	Stingel	—	
~	A52	5,274,666	12/93	Dowdell	—	
~	A53	5,276,680	1/94	Misseng	—	
~	A54	5,278,831	1/94	Mahy	—	
~	A57	5,293,639	3/94	Wilson	—	
~	A58	5,296,849	3/94	Idr	—	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO

EXAMINER INITIAL		OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
~	C14	Digital European Cordless Telecommunications Reference Document (March 1991)
~	C18	Haine, A New Radio Access Protocol and Network Architecture for Mobile Packet Data, 41 <sup>st</sup> IEEE Ventricular Technology Conference 7/91
~	C19	Owen, The DECT Radio Interface, Colloquium on CT2/CA1 AND DECT CORDLESS TELECOMMUNICATIONS (1990)
~	C22	Tuttlebee, Cordless Telecommunications in Europe (1990)

EXAMINER: <i>Phil J. L.</i>	DATE CONSIDERED: 4/28/00
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FORM PTO-1449	SERIAL NO.: 10/630,138	CASE NO.: 1772/14206US02
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE: 07/29/03	GROUP ART UNIT: <del>2746</del> 2618
(use several sheets if necessary)	APPLICANTS: Gollnick, et al.	

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
✓	A59	5,297,144	3/97	B. Boert	—	
✓	A63	5,361,397	11/97	W. G. G. G.	—	
✓	A66	5,373,506	12/97	Taylor	—	
✓	A67	5,390,206	2/95	Rein	—	
✓	A68	5,392,023	2/95	D'Avalley	—	
✓	A76	5,440,560	8/95	R. Kinski	—	
✓	A77	5,465,081	11/95	Todd	—	
✓	A84	5,584,048	12/96	W. J. Zarek	—	
✓	A93	5,089,813	2/97	Delucchi	—	
✓	A96	5,239,466	8/93	Morgan	—	
✓	A101	5,375,254	12/97	Owen	—	
✓	A102	5,377,192	12/97	Gordon	—	
✓	A104	5,461,627	10/95	R. Kinski	—	

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	

EXAMINER: <i>Phu J. L.</i>	DATE CONSIDERED: 7/28/06
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## U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO	

[illegible]

EXAMINER: <i>Phyllis</i>	DATE CONSIDERED: <i>4/28/06</i>
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